

Weekly Report

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Work has been done

1. This week, I devoted most of time to test the programs of Gong'an Data using different parameters. I made the result a excel file. The result is not satisfying, all the parameters didn't convergent to their true values. Maybe it's not a good model.
2. I wrote a readme.pdf for the Gong'an Data Project. The document is a brief summary of the *paper Determinants of Crime Propensity: Individual Characteristics and Behavioral Patterns* and the explanation for the R code written by Prof. Gu Wentao.
3. I took the course of 'cluster'. Most part of the course is about Linux, and tomorrow's lecture will focused on MPI programming.
4. I began to learn SCALA, which is essential to SPARK. The hadoop environment was too difficult to install, mostly because of the Linux os and I came across a bug which still can't be solved so I abandoned it. SCALA is a new 'type' of function which I think is quite fun.

Work to be done

1. The model is not satisfying, so we may construct a new model for it. I've learned several method of classifying or clustering, but have no (clear) idea of applying them on this project.
2. Proceed learning scala.
3. Learn more method in statistical learning or read a paper in the related field.